PAIN

Pain 110 (2004) 787–790

www.elsevier.com/locate/pain

Contents to Volume 110 (2004)

Numbers 1,2 – July 2004

EDITORIAL

Introducing *e*-Pain
A. Basbaum (USA) 1

TOPICAL REVIEW

Human and animal experimental models of acute and chronic muscle pain: intramuscular algesic injection
N.F. Capra, J.Y. Ro (USA) 3

e-Pain ARTICLE

Complex regional pain syndrome-like symptoms during herpes zoster
J.D. Berry, M.C. Rowbotham, K.L. Petersen (USA)[e] 8

RESEARCH PAPERS

Pro-nociceptive role of peripheral galanin in inflammatory pain
J.M. Jimenez-Andrade, S. Zhou, J. Du, A. Yamani, J.J. Grady, G. Castañeda-Hernandez, S.M. Carlton (Mexico, USA) 10
Antihyperalgesic effects of cizolirtine in diabetic rats: behavioral and biochemical studies
B. Aubel, V. Kayser, A. Mauborgne, A. Farré, M. Hamon, S. Bourgoin (France, Spain) 22
Pre-operative and post-operative effect of a pain management programme prior to total hip replacement: a randomized controlled trial
D.J. Berge, S.J. Dolin, A.C. Williams, R. Harman (UK) 33
P300-amplitudes in upper limb amputees with and without phantom limb pain in a visual oddball paradigm
A. Karl, M. Diers, H. Flor (Germany) 40
A randomized clinical trial of the effectiveness of a scheduled oral analgesic dosing regimen for the management of postoperative pain in children following tonsillectomy
K.A. Sutters, C. Miaskowski, D. Holdridge-Zeuner, S. Waite, S.M. Paul, M.C. Savedra, B. Lanier (USA) 49
Attenuation of mechanical allodynia by clinically utilized drugs in a rat chemotherapy-induced neuropathic pain model
J.J. Lynch III, C.L. Wade, C.M. Zhong, J.P. Mikusa, P. Honore (USA) 56
Mustard oil has differential effects on the response of trigeminal caudalis neurons to heat and acidity
C.T. Simons, S. Sudo, M. Sudo, E. Carstens (USA, Japan) 64
Sex differences in temporal characteristics of descending inhibitory control: an evaluation using repeated bilateral experimental induction of muscle pain
H.-Y. Ge, P. Madeleine, L. Arendt-Nielsen (Denmark) 72
Peripheral P2X receptors and nociception: interactions with biogenic amine systems
J.B. Waldron, J. Sawynok (Canada) 79
Neuroelectric source imaging of steady-state movement-related cortical potentials in human upper extremity amputees with and without phantom limb pain
A. Karl, W. Mühlnickel, R. Kurth, H. Flor (Germany) 90
Pain-related catastrophizing: a daily process study
J.A. Turner, L. Mancl, L.A. Aaron (USA) 103
Block of NMDA and non-NMDA receptor activation results in reduced background and evoked activity of central amygdala neurons in a model of arthritic pain
W. Li, V. Neugebauer (USA) 112
Self-mutilation in young children following brachial plexus birth injury
M.E. McCann, P. Waters, L.C. Goumnerova, C. Berde (USA) 123
Variation in reporting of pain and other subjective health complaints in a working population and limitations of single sample measurements
Ó.A. Steingrímsdóttir, N.K. Vøllestad, C. Røe, S. Knardahl (Norway) 130
An integrated undergraduate pain curriculum, based on IASP curricula, for six Health Science Faculties
J. Watt-Watson, J. Hunter, P. Pennefather, L. Librach, L. Raman-Wilms, M. Schreiber, L. Lax, J. Stinson, T. Dao, A. Gordon, D. Mock, M. Salter (Canada) 140

[e] Extra information (full text) is available online.

doi:10.1016/S0304-3959(04)00329-X

Acidic pH and capsaicin activate mechanosensitive group IV muscle receptors in the rat
U. Hoheisel, J. Reinöhl, T. Unger, S. Mense (Germany) 149
Nociceptive facilitating neurons in the rostral ventromedial medulla
M.J. Neubert, W. Kincaid, M.M. Heinricher (USA) 158
State-dependent block of voltage-gated Na^+ channels by amitriptyline via the local anesthetic receptor and its implication for neuropathic pain
G.K. Wang, C. Russell, S.-Y. Wang (USA) 166
Gabapentin for the prevention of postoperative pain after vaginal hysterectomy
M.G.F. Rorarius, S. Mennander, P. Suominen, S. Rintala, A. Puura, R. Pirhonen, R. Salmelin, M. Haanpää, E. Kujansuu, A. Yli-Hankala (Finland) 175
Relative analgesic potency of fentanyl and sufentanil during intermediate-term infusions in patients after long-term opioid treatment for chronic pain
L. Reynolds, R. Rauck, L. Webster, S. DuPen, E. Heinze, R. Portenoy, N. Katz, S. Charapata, M. Wallace, D.M. Fisher (USA) 182
Differentiating sensory and affective-sensory pain descriptions in patients undergoing magnetic resonance imaging for persistent low back pain
P.F. Beattie, M. Dowda, M. Feuerstein (USA) 189
Sensitization to bradykinin B1 and B2 receptor activation in UV-B irradiated human skin
H. Eisenbarth, R. Rukwied, M. Petersen, M. Schmelz (Germany) 197
Opiate anti-nociception is attenuated following lesion of large dopamine neurons of the periaqueductal grey: critical role for D_1 (not D_2) dopamine receptors
J.A. Flores, F. El Banoua, B. Galán-Rodríguez, E. Fernandez-Espejo (Spain) 205
Why cooling is beneficial: non-linear temperature-dependency of stimulated iCGRP release from isolated rat skin
T.I. Kichko, P.W. Reeh (Germany) 215
Distraction from chronic pain during a pain-inducing activity is associated with greater post-activity pain
L. Goubert, G. Crombez, C. Eccleston, J. Devulder (Belgium, The Netherlands, UK) 220
Pain-related fear and daily functioning in patients with osteoarthritis
P.H.T.G. Heuts, J.W.S. Vlaeyen, J. Roelofs, R.A. de Bie, K. Aretz, C. van Weel, O.C.P. van Schayck (The Netherlands) 228
Evidence for an exclusive antinociceptive effect of nociceptin/orphanin FQ, an endogenous ligand for the ORL1 receptor, in two animal models of neuropathic pain
C. Courteix, M.-A. Coudoré-Civiale, A.-M. Privat, T. Pélissier, A. Eschalier, J. Fialip (France, Chile) 236
Antinociceptive mechanism of L-DOPA
T. Shimizu, S.-i. Iwata, H. Morioka, T. Masuyama, T. Fukuda, M. Nomoto (Japan) 246
Diurnal changes of tonic nociceptive responses in mice: evidence for a proalgesic role of melatonin
L. Perissin, S. Boccalon, B. Scaggiante, L. Petrelli, F. Ortolani, C.A. Porro (Italy) 250
The 5-HT_3 receptor facilitates at-level mechanical allodynia following spinal cord injury
M.A. Oatway, Y. Chen, L.C. Weaver (Canada) 259
Mechanical allodynia and thermal hyperalgesia upon acute opioid withdrawal in the neonatal rat
S.M. Sweitzer, C.P. Allen, M.H. Zissen, J.J. Kendig (USA, UK) 269
Exaggerated nociceptive responses on morphine withdrawal: roles of protein kinase C ε and γ
S.M. Sweitzer, S.M.E. Wong, A. Tjolsen, C.P. Allen, D. Mochly-Rosen, J.J. Kendig (USA, Norway, UK) 281
The effects of axotomy on neurons and satellite glial cells in mouse trigeminal ganglion
P.S. Cherkas, T.-Y. Huang, T. Pannicke, M. Tal, A. Reichenbach, M. Hanani (Israel, Germany) 290
Peri-sciatic proinflammatory cytokines, reactive oxygen species, and complement induce mirror-image neuropathic pain in rats
C.M. Twining, E.M. Sloane, E.D. Milligan, M. Chacur, D. Martin, S. Poole, H. Marsh, S.F. Maier, L.R. Watkins (USA, Brazil, UK) 299
Electronic pain questionnaires: A randomized, crossover comparison with paper questionnaires for chronic pain assessment
A.J. Cook, D.A. Roberts, M.D. Henderson, L.C. Van Winkle, D.C. Chastain, R.J. Hamill-Ruth (USA) 310
Amplitudes of laser evoked potential recorded from primary somatosensory, parasylvian and medial frontal cortex are graded with stimulus intensity
S. Ohara, N.E. Crone, N. Weiss, R.-D. Treede, F.A. Lenz (USA, Germany) 318
The human histocompatibility leukocyte antigen (HLA) haplotype is associated with the onset of postherpetic neuralgia after herpes zoster
M. Sato-Takeda, H. Ihn, J. Ohashi, N. Tsuchiya, M. Satake, H. Arita, K. Tamaki, K. Hanaoka, K. Tokunaga, T. Yabe (Japan) 329
Determinants of prescribing meperidine compared to morphine in hospitalized patients
M. Panda, N. Desbiens, N. Doshi, S. Sheldon (USA) 337
Contributions of the anterior cingulate cortex and amygdala to pain- and fear-conditioned place avoidance in rats
Y.-J. Gao, W.-H. Ren, Y.-Q. Zhang, Z.-Q. Zhao (China) 343
Pain behavior and nerve electrophysiology in the CCI model of neuropathic pain
E. Gabay, M. Tal (Israel) 354
The prevalence of pain and pain interference in a general population of older adults: cross-sectional findings from the North Staffordshire Osteoarthritis Project (NorStOP)
E. Thomas, G. Peat, L. Harris, R. Wilkie, P.R. Croft (UK) 361
Differential expression of central metabotropic glutamate receptor (mGluR) subtypes in a clinical model of post-surgical pain
S. Dolan, J.G. Kelly, A.M. Monteiro, A.M. Nolan (UK) 369
The Cheshire Foot Pain and Disability Survey: a population survey assessing prevalence and associations
A.P. Garrow, A.J. Silman, G.J. Macfarlane (UK) 378
Chronic fentanyl or buprenorphine infusion in the mouse: similar analgesic profile but different effects on immune responses
C. Martucci, A.E. Panerai, P. Sacerdote (Italy) 385
Cold and heat pain assessment of the human oesophagus after experimental sensitisation with acid
J. Pedersen, H. Reddy, P. Funch-Jensen, L. Arendt-Nielsen, H. Gregersen, A.M. Drewes (Denmark) 393
The effects of early or late neurolytic sympathetic plexus block on the management of abdominal or pelvic cancer pain
R. de Oliveira, M.P. dos Reis, W.A. Prado (Brazil) 400

The calpain inhibitor MDL 28170 prevents inflammation-induced neurofilament light chain breakdown in the spinal cord and reduces thermal hyperalgesia
S. Kunz, E. Niederberger, C. Ehnert, O. Coste, A. Pfenninger, J. Kruip, T.M. Wendrich, A. Schmidtko, I. Tegeder, G. Geisslinger (Germany) 409
Prostaglandin E_2 in the midbrain periaqueductal gray produces hyperalgesia and activates pain-modulating circuitry in the rostral ventromedial medulla
M.M. Heinricher, M.E. Martenson, M.J. Neubert (USA) 419
Neck pain in adolescence. A 4-year follow-up of pain-free preadolescents
M. Ståhl, M. Mikkelsson, H. Kautiainen, A. Häkkinen, J. Ylinen, J.J. Salminen (Finland) 427
Site 1 sodium channel blockers prolong the duration of sciatic nerve blockade from tricyclic antidepressants
C.S. Barnet, J.Y. Tse, D.S. Kohane (USA) 432
Imagery reduces children's post-operative pain
M.M. Huth, M.E. Broome, M. Good (USA) 439
Familial aggregation of depression in fibromyalgia: a community-based test of alternate hypotheses
K.G. Raphael, M.N. Janal, S. Nayak, J.E. Schwartz, R.M. Gallagher (USA) 449
Symptoms and signs in patients with suspected neuropathic pain
P.V. Rasmussen, S.H. Sindrup, T.S. Jensen, F.W. Bach (Denmark) 461
Differential nociceptive deficits in patients with borderline personality disorder and self-injurious behavior: laser-evoked potentials, spatial discrimination of noxious stimuli, and pain ratings
C. Schmahl, W. Greffrath, U. Baumgärtner, T. Schlereth, W. Magerl, A. Philipsen, K. Lieb, M. Bohus, R.-D. Treede (Germany) 470
The analgesic effects that underlie patient satisfaction with treatment
M.P. Jensen, T. Mendoza, D.B. Hanna, C. Chen, C.S. Cleeland (USA) 480
Comparison of two psychometric scaling methods for ratings of acute musculoskeletal pain
D.P. O'Connor (USA) 488

CLINICAL NOTE

Complex regional pain syndrome as a stress response
L.A. Grande, J.D. Loeser, J. Ozuna, A. Ashleigh, A. Samii (USA) 495

LETTERS TO THE EDITOR

More on the clinical and scientific relevance of 'symptom amplification' and psychological factors in pain
K.W. Greve, K.J. Bianchini (USA) 499
Dr Ferrari's Response to Greve
R. Ferrari (Canada) 500
Response to Drs Greve and Bianchini
M. Sterling, G. Jull, B. Vicenzino, J. Kenardy (Australia) 501
Precision averaging
D.L. Bourke (USA) 502
'Simply no difference' in pain intensity and opioid requirement when ultralow doses of naloxone are added to morphine PCA
D.B. Carr, M.S. Cepeda (USA) 502

Number 3 – August 2004

EDITORIALS

The communal coping model and interpersonal context: problems or process?
B.E. Thorn, F.J. Keefe, T. Anderson (USA) 505
Painful Beginnings
M. Fitzgerald (UK) 508
Can pain be more or less neuropathic?
N. Attal, D. Bouhassira (France) 510

TOPICAL REVIEW

Active despite pain: the putative role of stop-rules and current mood
J.W.S. Vlaeyen, S. Morley (The Netherlands, UK) 512

RESEARCH PAPERS

HIV-1 gp120 Stimulates proinflammatory cytokine-mediated pain facilitation via activation of nitric oxide synthase-I (nNOS)
A. Holguin, K.A. O'Connor, J. Biedenkapp, J. Campisi, J. Wieseler-Frank, E.D. Milligan, M.K. Hansen, L. Spataro, E. Maksimova, C. Bravmann, D. Martin, M. Fleshner, S.F. Maier, L.R. Watkins (USA) 517
Pain in primary erythromelalgia—a neuropathic component?
K. Ørstavik, C. Mørk, K. Kvernebo, E. Jørum (Norway) 531
Effects of spouse-assisted coping skills training and exercise training in patients with osteoarthritic knee pain: a randomized controlled study
F.J. Keefe, J. Blumenthal, D. Baucom, G. Affleck, R. Waugh, D.S. Caldwell, P. Beaupre, S. Kashikar-Zuck, K. Wright, J. Egert, J. Lefebvre (USA) 539
Prognosis of non-specific musculoskeletal pain in preadolescents: A prospective 4-year follow-up study till adolescence
A. El-Metwally, J.J. Salminen, A. Auvinen, H. Kautiainen, M. Mikkelsson (Finland) 550

Hyperalgesia in an animal model of multiple sclerosis
S.A. Aicher, M.B. Silverman, C.W. Winkler, B.F. Bebo Jr. (USA) 560
Gender differences in pain, coping, and mood in individuals having osteoarthritic knee pain: a within-day analysis
F.J. Keefe, G. Affleck, C.R. France, C.F. Emery, S. Waters, D.S. Caldwell, D. Stainbrook, K.V. Hackshaw, L.C. Fox, K. Wilson (USA) 571
Role of TNF-alpha in sensitization of nociceptive dorsal horn neurons induced by application of nucleus pulposus to L5 dorsal root ganglion in rats
J.M. Cuellar, P.X. Montesano, E. Carstens (USA) 578
Characterization of basal and re-inflammation-associated long-term alteration in pain responsivity following short-lasting neonatal local inflamatory insult
K. Ren, V. Anseloni, S.-P. Zou, E.B. Wade, S.I. Novikova, M. Ennis, R.J. Traub, M.S. Gold, R. Dubner, M.S. Lidow (USA) 588
Pain catastrophizing and interpersonal problems: a circumplex analysis of the communal coping model
J.M. Lackner, M.B. Gurtman (USA) 597
Rapid deterioration of pain sensory-discriminative information in short-term memory
P. Rainville, J.-C. Doucet, M.-C. Fortin, G.H. Duncan (Canada) 605
Somatostatin modulates the transient receptor potential vanilloid 1 (TRPV1) ion channel
S.M. Carlton, S. Zhou, J. Du, G.L. Hargett, G. Ji, R.E. Coggeshall (USA) 616
Pregabalin for the treatment of painful diabetic peripheral neuropathy: a double-blind, placebo-controlled trial
J. Rosenstock, M. Tuchman, L. LaMoreaux, U. Sharma (USA) 628
Prognostic factors for neck pain in general practice
J.L. Hoving, H.C.W. de Vet, J.W.R. Twisk, W.L.J.M. Devillé, D. van der Windt, B.W. Koes, L.M. Bouter (The Netherlands, Australia) 639
Experimental pain perception remains equally active over all sleep stages
G. Lavigne, M. Brousseau, T. Kato, P. Mayer, C. Manzini, F. Guitard, J. Monplaisir (Canada) 646
Pain catastrophizing and social support in married individuals with chronic pain: the moderating role of pain duration
A. Cano (USA) 656
Differential morphine effects on short- and long-latency laser-evoked cortical responses in the rat
M.-L. Tsai, C.-C. Kuo, W.-Z. Sun, C.-T. Yen (Taiwan) 665
Glyceryl trinitrate triggers premonitory symptoms in migraineurs
S.K. Afridi, H. Kaube, P.J. Goadsby (UK) 675
Reproducibility and responsiveness of the Whiplash Disability Questionnaire
C. Willis, K.R. Niere, J.L. Hoving, S. Green, E.F. O'Leary, R. Buchbinder (Australia) 681
Maintenance of windup of second pain requires less frequent stimulation in fibromyalgia patients compared to normal controls
R. Staud, D.D. Price, M.E. Robinson, A.P. Mauderli, C.J. Vierck (USA) 689
Venlafaxine extended release in the treatment of painful diabetic neuropathy: a double-blind, placebo-controlled study
M.C. Rowbotham, V. Goli, N.R. Kunz, D. Lei (USA) 697
Pre-emptive analgesia using intravenous fentanyl plus low-dose ketamine for radical prostatectomy under general anesthesia does not produce short-term or long-term reductions in pain or analgesic use
J. Katz, R. Schmid, D.G. Snijdelaar, T.J. Coderre, C.J.L. McCartney, A. Wowk (Canada, The Netherlands) 707
Sensory fibers resistant to the actions of tetrodotoxin mediate nocifensive responses to local administration of endothelin-1 in rats
C.S. Houck, A. Khodorova, A.M. Reale, G.R. Strichartz, G. Davar (USA) 719
Experimental malignancy in the rat induces early hypersensitivity indicative of neuritis
E. Eliav, M. Tal, R. Benoliel (USA, Israel) 727
c-fos and CRF receptor gene transcription in the brain of acetic acid-induced somato-visceral pain in rats
V. Sinniger, C. Porcher, P. Mouchet, A. Juhem, B. Bonaz (France) 738
In vitro opioid induced proliferation of peripheral blood immune cells correlates with in vivo cold pressor pain tolerance in humans: a biological marker of pain tolerance
M.R. Hutchinson, S.F. La Vincente, A.A. Somogyi (Australia) 751
Impaired self-perception of the hand in complex regional pain syndrome (CRPS)
S. Förderreuther, U. Sailer, A. Straube (Germany) 756

LETTERS TO THE EDITOR

Safety and efficacy of intranasal ketamine in a mixed population with chronic pain
D.B. Carr, L.C. Goudas, W.T. Denman, D. Brookoff, P.T. Lavin, P.S. Staats (USA) 762
Comment on: Bell RF, Kalso K. Is intranasal ketamine an appropriate treatment for chronic non-cancer breakthrough pain? Pain 2004;108:1–2
M.E. Lynch, A.J. Clark (Canada) 764
Reply to comment by Lynch and Clark
R.F. Bell, E. Kalso (Norway, Finland) 765
Intra-nasal ketamine for somatization?
H. Merskey (Canada) 765
Different behavioral observation methods serve different purposes
K.D. Craig, T. Hadjistavropoulos (Canada) 766
Behavioral indices of pain and pain threshold measurement in individuals with mental retardation
R. Defrin, E. Carmeli, C.G. Pick (Israel) 767

Author Index to Volume 110 770
Subject Index to Volume 110 776
Contents to Volume 110 787